



Michigan Department of
Environmental Quality
www.michigan.gov/deq
Environmental Science and
Services Division (ESSD)
PO Box 30457
Lansing, MI 48909-957

Jennifer M. Granholm, Governor
Steven E. Chester, Director

Home of the Environmental
Assistance Center
800-662-9278
Email: [deq-ead-env-
assist@michigan.gov](mailto:deq-ead-env-assist@michigan.gov)

Darlene Harris, Editor
517-373-0318
harrisd@michigan.gov

Circulation Requests: contact
Darlene Harris at 517-373-0318,
harrisd@michigan.gov or go to
www.michigan.gov/deq, select News
& Events, Bulletins & Newsletters,
Environmental Listserv
Subscriptions and follow the
directions.

CLIMATE CHANGE EXECUTIVE ORDER AND EXECUTIVE DIRECTIVE ISSUED

On November 14, 2007, Governor Granholm issued Executive Directive 2007-22 (Directive) which further tasks her administration to do all it can to reduce its own energy consumption. The Directive, entitled "ENHANCED ENERGY EFFICIENCY AND CONSERVATION BY STATE DEPARTMENTS AND AGENCIES" provides support and continuity from earlier executive directives (Executive Directive 2005-04) in reducing state energy consumption and managing state operations in a more sustainable manner.

The Directive will require a ten (10) percent reduction in energy use by the end of 2008. When compared to the state fiscal year ending September 30, 2007, the state will meet this new goal through the aggressive implementation of new energy efficiency measures. As part of the directive, the state will - wherever feasible - increase use of alternative fuels in its fleet of vehicles; develop a materials management plan to ensure environmentally sound purchasing, use, reuse and recycling of materials by state departments; and ensure that new state owned or leased buildings meet U.S. Green Building Council "Leadership in Energy and Environmental Design" (LEED) standards. The state will also reduce its electrical energy purchases by 20 percent by 2015 from the fiscal year 2002 base year.

For a copy of Executive Directive 2007-22 and the press release announcing these measures, visit www.miclimatchange.us.

50 WAYS TO GREEN YOUR BUSINESS... AND YOU'LL BOOST YOUR BOTTOM LINE, TOO

www.fastcompany.com/multimedia/slideshows/content/50-ways-to-green_pagen_1.html

This interesting slide show, initially published in the on-line newsletter, "Fast Company," highlights how 50 well-known companies have implemented waste reduction, pollution prevention and other 'green' activities in their business practices. The slide show includes a description of how General Mills now sells oat hulls

INDEX

Climate Change Executive Order and Executive Directive Issued	1
50 Ways to Green Your Business ... And You'll Boost Your Bottom Line, Too.....	1
Clean Marina Program Partners with Mondo Polymers in Shrink Wrap Pilot Project	2
Biennial Hazardous Waste Reports and Annual User Fees.....	2
Schools Taking Action Against Global Warming.....	3
Public Comment Period for Selling Fireworks	4
Federal Site Security Plan Registration Due January 19, 2008.....	4
Draft Coastal Estuarine and Land Conservation Program Plan	5
Holiday Waste Reduction.....	5
Compliance Assistance Corner: Purchasing Property Next to Contaminated Site.....	6
New Publications Available	7
Events	7

generated from the production of its cereal, Cheerios, when they had previously been paying for disposal; the Philadelphia Eagles football team's "Go Green" campaign that has the cleaning crew go through the stadium to collect recyclables before collecting trash; Ford Motor Company's painting process that applies 3 coats at once reducing CO2 and VOC emissions and 47 more examples of how companies are saving money while going green.

CLEAN MARINA PROGRAM PARTNERS WITH MONDO POLYMERS IN SHRINK WRAP PILOT PROJECT

Mondo Polymer Technologies, Inc., in partnership with the Michigan Clean Marinas Program and the Michigan Boating Industries Association, has been pleased to be the service provider for the collection of boat shrink wrap during the 2007 boat launch season. This program proved highly successful and is extending this service offer into additional areas, picking up material from about April 15 until June 15, 2008.



Marinas who wish to participate in this voluntary program are asked to provide a temporary storage area for the boat wrap until the service truck arrives in your area. Moisture is not a problem so the material may be stored outside. All metal, wood, rocks, and mud must be kept out of the shrink wrap. If you wish to participate in the program, please email ron@mondopolymer.com or fax (740) 376-9960 with your facility location. This program is at no cost to the marinas; however, notification to marinas will be made by February 2008 if there is enough participation to conduct pickups in their particular area.

All material is used in a 100% recycled product for highway guardrail systems, which currently utilizes approximately 50,000 lbs. per day. If you would like more information regarding this product, feel free to view www.mondopolymer.com. A program brochure is available at www.miseagrant.umich.edu/downloads/cmp/07-707-CMP-shrinkwrap-recycle.pdf

For more information, regarding the Michigan Clean Marina program, visit www.michigan.gov/deqp2partnerships, or email Jeff Spencer at spencejl@michigan.gov.

BIENNIAL HAZARDOUS WASTE REPORTS AND ANNUAL USER FEES

The biennial report packet will be mailed by the Waste and Hazardous Materials Division (WHMD) by the first week of February 2008 to Large Quantity Generators and Treatment, Storage and Disposal Facilities. The packet will contain the EQP5150 site identification verification form and manifest information along with instructions. This report will cover a facility's 2007 hazardous waste activities.

If you have not received your biennial report packet by mid-February 2008, please call the User Charge line, WHMD, at 517-335-5318, select Site Identification Information, and leave a message.

Biennial reports are due March 1. Facilities need to return their biennial reports to the DEQ WHMD. The mailing address will be in the packet. Do not use the EPA biennial report form.

The annual hazardous waste user fee packets will be mailed separately to facilities in mid-February 2008. The Small Quantity Generators' packets will contain directions, invoice, EQP5150 site identification verification form, and list of manifests. The biennial reporting facilities will receive the directions, invoice, and a list of the manifests in their user packets but will not receive another EQP 5150 site identification verification form.

Facilities that have not received their invoice package by mid-March 2008, or have questions about differences in facility records compared to the DEQ records, should email DEQ-HWUSERCHARGES@michigan.gov or call the DEQ User Charge Line, WHMD, at 517-335-5318, select user charge and leave a message.

User fees payments are due by April 30 and need to be sent to the DEQ Cashier's Office. The mailing address where to submit payment will be in the packet.

The format of the manifest pages included in the mailings will be different from past years as a cost savings measure.

For questions about other waste requirements, contact your DEQ district office, the Environmental Assistance Center at 800-662-9278 or email your question to deq-ead-env-assist@michigan.gov. Additional waste information is also available at www.michigan.gov/deqwaste.

SCHOOLS TAKING ACTION AGAINST GLOBAL WARMING

Several Michigan universities and community colleges are getting involved in different global warming and sustainable initiatives.



The Sustainable Endowments Institute released their College Sustainability Report Card 2008. The report is a sustainability evaluation of campus operations and endowment investments of the 200 public and private universities with the largest endowments, ranging from \$230 million to nearly \$35 billion. Some activities identified include:

- Cut carbon emissions to fight climate change
- Follow high-performance green building standards for new construction
- Use hybrid or electric vehicles in transportation fleets
- Purchase renewable energy and 30%
- Produce their own wind or solar energy
- Buy food from local farms and 64%
- Serve fair trade coffee

See the individual school reports for University of Michigan and Michigan State University and other universities on the Internet at www.endowmentinstitute.org/sustainability.

Another initiative is the American College and University Presidents Climate Commitment which has schools pledging to eliminate their campuses' greenhouse gas emissions in a reasonable period of time as determined by each institution. This involves:

- Setting up a mechanism (committee, task force, office, etc.) within 2 months to guide the process.
 - Completing an inventory of greenhouse gas emissions within 1 year, from the subsequent of the three annual start-dates: September 15, January 15, or May 15.
 - Creating and implementing a climate neutral plan (that includes a target date and interim milestones for achieving campus climate neutrality) within 2 years.
 - Taking 2 of 7 immediate steps specified in the commitment to reduce greenhouse gas emissions while the more comprehensive plan is being developed.
 - Integrating sustainability into the curriculum and making it part of the educational experience.
 - Making the action plan, inventory and periodic progress reports publicly available.
-

The following Michigan schools have already joined: Albion College, Delta College, Grand Valley State University, Jackson Community College, Kalamazoo College, North Central Michigan College, and Washtenaw Community College

PUBLIC COMMENT PERIOD FOR SELLING FIREWORKS

A public hearing and comment period on Retail Sales of Consumer Fireworks was announced in the November 2007 National Fire Protection Association (NFPA) newsletter at www.nfpa.org/assets/files/PDF/NFPA%20News/nfpanews1107.pdf.

Based upon the findings presented in the report, the Council is contemplating the following actions: revising the scope of the Technical Committee on Pyrotechnics (TC), which is responsible for NFPA 1124, Code for the Manufacture, Transportation, Storage, and Retail Sale of Fireworks and Pyrotechnic Articles, so that it no longer covers the retail sale of consumer fireworks, and taking steps to revise the scope of NFPA 1124 to exclude the retail sales of consumer fireworks, and to delete chapter 7 from NFPA 1124.

The public hearing will be held on June 2, 2008 from 8:00 AM until 11:00 AM in conjunction with NFPA's World Safety Conference and Exposition in Las Vegas, NV and written submissions must be received by NFPA by Friday, May 9, 2008. See their newsletter for more information.

FEDERAL SITE SECURITY PLAN REGISTRATION DUE JANUARY 19, 2008

This is a follow-up to an article on Site Security Plans for Regulated Chemicals in the June 2007 ESSD Bulletin.

The Department of Homeland Security (DHS) finalized the listing of Chemicals of Interest. The list was released as Appendix A of the Chemical Facility Anti-Terrorism Standards (CFATS). The DHS identified these chemicals with specific amounts for preliminary screening. Appendix A lists approximately 300 chemicals of interest, including chlorine, propane, hydrogen, ammonia, nitric acid, vinyl chloride, ethylene oxide, acrolein, and formaldehyde.

Owners of facilities with chemicals above the threshold quantities should complete a preliminary online assessment to determine the level of risk associated with their facility by January 19, 2008. After this step, the Department of Homeland Security (DHS) will determine if the facility presents a security risk and is subject to the Chemical Facility and Anti-Terrorism Standards.

Michigan facilities are reminded to review the recently issued (DHS) chemical list and site security planning information available at www.dhs.gov/chemicalsecurity. Any facilities with chemical products above the threshold quantities on the Appendix A: Chemicals of Interest List are required under federal law to complete the registration process or indicate that they meet one of the listed exemptions.

Groups that may be impacted include:

- Drinking water and wastewater treatment plants
 - Industrial facilities
 - Production agriculture
 - Laboratories
 - Food processing
 - Warehousing and distribution
 - Retail businesses
-

If you have questions about CFATS or problems registering, call the Chemical Security Analysis Tool (CSAT) Helpline at 866-323-2957 from 7 am to 7 pm EST, Monday through Friday. You may also email Mark Lambert with the DHS at mark.lambert@dhs.gov.

DRAFT COASTAL ESTUARINE AND LAND CONSERVATION PROGRAM PLAN

The Michigan Coastal Management Program (MCMP), Coastal and Land Management Unit, Environmental Science and Services Division of the MDEQ, has developed a draft state Coastal Estuarine and Land Conservation Program (CELCP) Plan consistent with the National Oceanic and Atmospheric Administration (NOAA) guidelines, in consultation with representatives of state and federal agencies with land management responsibilities in Michigan, environmental organizations, land conservancies, and other stakeholders. Coastal states that develop their own plans consistent with federal guidelines are eligible to compete for federal funds for land acquisition. States with approved plans may pass the federal funds through to state agencies or local communities as cost-share grants for acquiring coastal and estuarine areas that have significant conservation, recreation, ecological, historical, or aesthetic values. The draft Plan is available for review on the Coastal Management website at www.michigan.gov/deq/0,1607,7-135-3313_3677_3696---,00.html. Comments can be submitted to Catherine Cunningham-Ballard at CUNNINGC@michigan.gov or 517-335-3456 prior to December 28, 2007.

HOLIDAY WASTE REDUCTION

Approximately one million extra tons of waste is generated every week between Thanksgiving and New Years in this country. Following are some ideas that can reduce this waste and save money, time and energy during the holidays.



1. Get in the habit of carrying a string bag or taking canvas bags with you when you shop. It will reduce the number of paper or plastic bags you take home.
2. Make the package part of the gift, reducing the amount of gift wrap. Some ideas include baskets, canvas shopping bags, toolboxes, filled with theme gifts such as bath items, scrapbook items, cooking or workshop tools, etc.
3. Give the gift of time. For someone who has everything, a trip out to a restaurant, movie, or local event with you may be more appreciated than anything you can find at a store.
4. Look for recycled products when shopping. If you are in the habit of sending cards and buying wrapping paper, ask for recycled products to close the recycling circle and support the paper recycling industry.
5. Giving and getting techno toys for the holidays such as cell phones, computers, televisions, etc.? Don't forget to make sure to recycle what is being replaced. Find recycling options at www.michigan.gov/deq/0,1607,7-135-3585_4130_18096-148774--,00.html
6. If you put up a live Christmas tree, after the holidays, set it outside near a bird feeder to provide shelter for birds. Make sure all the decorations and tinsel are removed and contact your local recycling program to find out what options are available for mulching or composting your tree. See the clickable map at www.michigan.gov/deqreswastecontacts for local contact information.
7. Use low energy holiday lights. It will reduce your holiday energy bills by at least ¾ or not increase them at all depending on the lights you choose. LED, CFL and even solar lights are now available.
8. For Hanukkah, dedicate each of the eight nights you light the Menorah to switching out an incandescent bulb to a lower energy CFL.
9. Got a shredder at home? Use it to create colorful packing for your gifts by shredding used or remnant gift wrap.

10. Consider having a car free day during the holidays and cut down on air emissions.
11. Whether lighting candles for Christmas, Hanukkah, Kwanzaa or any other holiday, make sure wicks are lead free.

You may not remember the gifts you got last year, but you will very likely remember special times spent with family, friends or taking part in a community event. Spending time rather than money during the holidays may bring greater satisfaction. Enjoy!

COMPLIANCE ASSISTANCE CORNER

Question: I am interested in purchasing property that is next to a contaminated site. I am concerned that contamination might have migrated onto the property. If I purchase the property, will I become liable for contamination that migrates onto my property from the neighboring contaminated site?

Answer: Not generally. Part 201, Environmental Remediation, of the Natural Resources and Environmental Protection Act, 1994 PA 451 as amended (NREPA), Section 20126 (4)(c) states an exemption for "The owner or operator of property onto which contamination has migrated unless that person is responsible for an activity causing the release that is the source of the contamination is not liable for the contamination." The potential owner or operator of such property is strongly advised to make all appropriate inquiry into the historical and current uses of the property (due diligence) and should determine whether there are other potential sources of environmental contamination present on the property. In order to avoid liability for contamination present on the property, not strictly due to migration, the potential owner and/or operator would need to conduct a Baseline Environmental Assessment (BEA). A new owner and/or operator could also be held liable for the exacerbation of existing contamination, regardless of how it came to be located on the property.

Compliance assistance staff are experienced environmental personnel in ESSD that specialize in the MDEQ's regulatory programs. Staff provide one-on-one and referral assistance on calls received by the Environmental Assistance Center. If you have any environmental question on which you need assistance, call 1-800-662-9278

The first step of due diligence is to ask the seller or owner about any known or suspected sources of environmental contamination or conditions. The best practice would be to hire an environmental professional to conduct a Phase I and II Environmental Site Assessment (ESA). The Phase I ESA involves a walk through and property inspection, conducting a history of the past uses of the property, studying historical maps; reviewing current property information, state and local government files to evaluate the potential for contamination to exist. An environmental professional should advise, based on the information gained in conducting the Phase I ESA if it is necessary to conduct a Phase II ESA (or equivalent) investigation. The Phase II ESA involves further investigation into the recognized environmental concerns identified in the Phase I ESA, including the collection of soil and/or ground water samples, determining if underground tanks are present, and identifying abandoned containers and their contents.

The information gained in the Phase II ESA should be sufficient to determine whether the property is a 'facility' as defined in Part 201. A facility is defined as any area, place or property where a hazardous substance in excess of the applicable residential cleanup criteria has been released, deposited, disposed of, or otherwise comes to located. If the contaminant concentrations do not exceed the residential criteria, then the property is not a facility as defined by Part 201. Any/all documentation generated to draw conclusions regarding the status of the property should be maintained by the new owner or operator to as a demonstration of having conducted adequate due diligence in accordance with Part 201. If the analysis of the samples collected as part of the Phase II ESA indicated that hazardous substances are present on the property in excess of the applicable residential cleanup criteria, the

property is considered a 'facility' as defined under Part 201. A Baseline Environmental Assessment (BEA) may be the next step for properties that are facilities. Potential owners and/or operators should discuss the necessity for a BEA with their environmental consultants and their attorneys. There may be other options for resolving potential liability in certain circumstances.

For information, please call the Environmental Assistance Center at 800-662-9278 to be connected to an Environmental Assistance Program staff person.

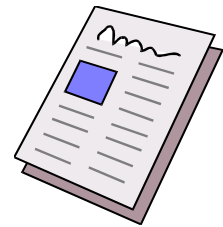
Related links:

- BEA and Due Care: www.michigan.gov/deq/0,1607,7-135-3311_4109_4212---,00.html
- Part 201: www.michiganlegislature.org/mileg.asp?page=getObject&objName=mcl-451-1994-II-7-201&highlight=
- Risk Based Screening Levels, see RRD - 1, attachment 1, table 1 and www.michigan.gov/deq/0,1607,7-135-3311_4109_9846_30022-101581--,00.html
- Environmental Consultants list: www.deq.state.mi.us/sid-web/QC_Search.aspx
- Environmental Assistance Program: www.michigan.gov/deq/0,1607,7-135-3307_36106---,00.html

NEW PUBLICATION ANNOUNCEMENTS

New Recordkeeping Tool for Coating Operations

The Michigan Department of Environmental Quality's Environmental Assistance Program has developed a recordkeeping spreadsheet that can be used to calculate volatile organic compound (VOC) and hazardous air pollutant (HAP) emissions from paints, solvents, and other evaporative loss products. This spreadsheet is specifically geared towards smaller companies who need help with recordkeeping to demonstrate compliance with their general permit or exemption. The spreadsheet and instructions are available on the Web at www.michigan.gov/deqair, click on "Clean Air Assistance" and scroll down to "Surface Coating Operations."



Preparing for E85: A Guide for Gas Station Owners

The Michigan Department of Environmental Quality's Environmental Assistance Program has developed a fact sheet to help gas station owners understand what's involved with converting storage tank systems to E85 (85% ethanol and 15% gasoline). There are over fifty E85 pumps in Michigan, making the fuel widely available to consumers. Several other E85 pumps are in the planning stages throughout the state. The E85 fact sheet is available on the Web at www.michigan.gov/deqland, click on "Storage Tanks" and then "Underground Storage Tanks."

EVENTS

DECEMBER 5, 2007

WATER AND WASTEWATER CONSTRUCTION PERMITS WORKSHOP, LANSING COMMUNITY COLLEGE, WEST CAMPUS, LANSING. If you're interested in improving your turn-around time for obtaining Act 399 Water System Construction Permits (Michigan Safe Drinking Water Act) and Part 41, Wastewater System Construction Permits, of Act 451 (Natural Resources and Environmental Protection Act), the Michigan Department of Environmental Quality (DEQ) can help! This one-day seminar will show communities, developers, and consulting firms how to ensure the quickest review and permitting of projects.

Along with reviewing checklists and common problems that hold up processing of applications, the DEQ will review its new Expedited process along with the existing Streamline process for water main and sewer main construction permitting to provide for even faster application reviews and permit issuances. Anyone involved in water and sewer construction permitting should attend. Online registration is available on the Web at www.michigan.gov/deqworkshops, click on "Upcoming DEQ Workshops".

Registration Fee: \$125, which includes continental breakfast, lunch, and workshop materials.

Information Contact: Pat Cook, Water Bureau, 517-241-1242, or email at

cookp@michigan.gov.

Registration Information: Environmental Assistance Center, 800-662-9278, or email at

deq-ead-env-assist@michigan.gov.

2007: DECEMBER 12

2008: JANUARY 16, FEBRUARY 20

8:30a.m.-12:00 p.m.

MONTHLY AIR PERMIT APPLICATION WORKSHOP FOR FIRST-TIME APPLICANTS, CONSTITUTION HALL, LANSING, MICHIGAN. For most first-time applicants, completing the Permit to Install application is a daunting task. However, submitting a complete and timely application can be more manageable if you know what's expected. The Michigan Department of Environmental Quality is offering this workshop designed to give information on how to submit a complete permit application. Since this workshop is geared to first-time applicants, a significant portion of the session is devoted to your specific application. Air Quality Division permit engineers will be available to discuss your permit application with you one-on-one. To take full advantage of this time with the permit engineer, it is recommended you bring detailed information about your project with you to the session. This training is designed for first-time air permit applicants who need help completing their permit application; however, those who have applied before and need a refresher are welcome to attend as well. Online registration is available on the Web at www.michigan.gov/deqworkshops, click on "Upcoming DEQ Workshops".

Registration Fee: \$25, which includes parking in the Ellis Parking Lot on the east side of Constitution Hall and training manual.

Information Contact: James Ostrowski, Environmental Science and Services Division, 517-241-8057, or email at ostrowsj@michigan.gov.

Registration Information: Environmental Assistance Center, 800-662-9278, or email at deq-ead-env-assist@michigan.gov.

FEBRUARY 12, 2008

NPDES PERMIT APPLICATION WORKSHOP: APPLICATION CHANGES FOR 2008, HOT TOPICS, TIPS, & HINTS, LANSING COMMUNITY COLLEGE-WEST CAMPUS, LANSING. Have you ever wondered why so much information is required of the National Pollutant Discharge Elimination System (NPDES) program, or how much detail to provide? Do portions of the application confuse or stump you? The Michigan Department of Environmental Quality (DEQ) Water Bureau presents its first NPDES application workshop. This workshop is intended for permittees, and their designated representatives, with applications due on or before April 4, 2008. Others may attend on a space-available basis. The half-day workshop will provide you with a review of application changes, guidance on completing the appropriate sections of the application, and a chance to get personal assistance in completing your application. This is your opportunity to talk to program experts and learn how to fill out the application efficiently, with less effort, and completely the first time. Online registration will be available on the Web late December at www.michigan.gov/deqworkshops, click on "Upcoming DEQ Workshops".

Registration Fee: \$50, which includes continental breakfast and workshop materials.

Information Contact: Michael Bray, Water Bureau, 517-241-1341, or email at braym@michigan.gov.

Registration Information: Environmental Assistance Center, 800-662-9278, or email at deq-ead-env-assist@michigan.gov.

MARCH 6-8, 2008

MICHIGAN SCIENCE TEACHERS ASSOCIATION 55TH ANNUAL CONFERENCE, MAKING A DIFFERENCE, RADISSON HOTEL AND LANSING CENTER, LANSING.

The Michigan Department of Environmental Quality (DEQ) is holding five pre-conference Michigan Environmental Education Curriculum Support (MEECS) training workshops on March 6, 2008. Registration will soon be available on the Web at www.michigan.gov/deqworkshops. To register for the pre-conference trainings click on upcoming workshops. Registration Fee: \$30.00. The DEQ is also holding an overview informational session on the MEECS curriculum during the conference on March 7, 2008. Throughout the conference, the DEQ is exhibiting a booth to display MEECS general information.

Information Contact: Thomas Occhipinti, Executive Division, 517-373-2379, or email at occhipintit@michigan.gov.

General conference information is available on the Web at www.msta-mich.org/conference/.

Registration for the MSTA conference is available on the Web at www.msta-mich.org/conference/registration.php.

MAY 5-7, 2008

BROWNFIELDS 2008, COBO CENTER, DETROIT, MICHIGAN. Save the date! Gear up for the largest gathering of national and international brownfields stakeholders. With nearly 6,000 attendees, over 150 educational sessions, more than 200 exhibitors, and unrivaled networking events, the U.S. Environmental Protection Agency and the International City/County Management Association co-sponsored National Brownfields Conference is the premier event of its kind. "Brownfields 2008" includes timely and valuable knowledge and skill building workshops, exceptional business development and networking opportunities, and hundreds of product and service providers in the exhibit hall to meet your project needs. The Michigan Department of Environmental Quality is an endorser of this event. Visit www.brownfields2008.org to learn the latest and sign up for the "Brownfields 2008" e-newsletter.

Registration information coming soon.

Information Contact: Ronald Smedley, Remediation and Redevelopment Division, 517-373-4805, or email at smedleyr@michigan.gov.

*If you are interested in participating in the development of any Environmental Science and Services Division event, please call **Mary Goodhall** at **517-241-7968** or email at goodhalm@michigan.gov.*